



PTO/SB/21 (09-04)

**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

| | |
|------------------------|------------------|
| Application Number | 10/801,361 |
| Filing Date | March 15, 2004 |
| First Named Inventor | Stephen R. Quake |
| Art Unit | 1743 |
| Examiner Name | Not Assigned |
| Attorney Docket Number | 20174C-001140US |

ENCLOSURES (Check all that apply)

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| <input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): SB/08 224 references Return postcard |
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Remarks

The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| | | | |
|--------------|------------------------------------|----------|--------|
| Firm Name | Townsend and Townsend and Crew LLP | | |
| Signature | | | |
| Printed name | Patrick M. Boucher | | |
| Date | November 16, 2005 | Reg. No. | 44,037 |

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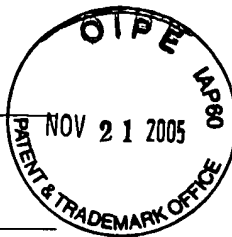
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Commissioner for Patents
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Alexandria, VA 22313-1450

PATENT
Attorney Docket No.: 20174C-001140US
Client Reference Nos.: CIT 3153-CIP-C
and C111.410C1.US

On November 16, 2005

TOWNSEND and TOWNSEND and CREW LLP

By: Janet L. Newmaker
Janet L. Newmaker



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Stephen R. Quake et al.

Application No.: 10/801,361

Filed: March 15, 2004

For: Integrated Active Flux
Microfluidic Devices And
Methods

Customer No.: 20350

Confirmation No.: 3231

Examiner: Not Assigned

Art Unit: 1743

**SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT UNDER
37 CFR §§ 1.97 AND 1.98**

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the non-US references (in compliance with the requirements of 1287 OG 163) are enclosed.

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicants believe that no fee is required for submission of this statement. If a fee is required, however, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Patrick M. Boucher
Reg. No. 44,037

Date: November 16, 2005

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, Eighth Floor
San Francisco, CA 94111-3834
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PMB/jln
60634989 v1



PTO/SB/08A (08-03)

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 19

Complete if Known

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U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
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Examiner
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Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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| | | Number Kind Code ² (if known) | | | |
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| | | Country Code ³ | Number ⁴ | Kind Code ⁵ (if known) | | | | |
| | B1 | EP | 0 592 094 | A2 | 04-13-1994 | International Business Machines Corporation | | <input type="checkbox"/> |
| | B2 | EP | 0 703 364 | A1 | 03-27-1996 | Fraunhofer- Gesellschaft Zur Förderung Der Angewandten Forschung E.V. | | <input type="checkbox"/> |
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| | B17 | WO | 95/33846 | A1 | 12-14-1995 | Affymax Technologies N.V. | | <input type="checkbox"/> |

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| | | Country Code ³ | Number ⁴ | Kind Code ⁵ (if known) | | | | |
| | B18 | WO | 95/33853 | A1 | 12-14-1995 | University of Tennessee Research Corporation | | <input type="checkbox"/> |
| | B19 | WO | 97/02357 | A1 | 01-23-1997 | Affymetrix, Inc. | | <input type="checkbox"/> |
| | B20 | WO | 97/38300 | A1 | 10-16-1997 | Soane Biosciences | | <input type="checkbox"/> |
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| | B22 | WO | 98/08931 | A1 | 03-05-1998 | BTG USA Inc. | | <input type="checkbox"/> |
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| | B24 | WO | 99/04361 | A1 | 01-28-1999 | Diversified Scientific, Inc. | | <input type="checkbox"/> |
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| | B28 | WO | 00/43748 | A1 | 07-27-2000 | YSI Incorporated | | <input type="checkbox"/> |
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| | B31 | WO | 01/09595 | A3 | 02-08-2001 | Emerald Biostructures, Inc. | | <input type="checkbox"/> |

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| Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | | Complete if Known | |
| | | | | Application Number | 10/801,361 |
| | | | | Filing Date | March 15, 2004 |
| | | | | First Named Inventor | Stephen R. Quake |
| | | | | Art Unit | 1743 |
| | | | | Examiner Name | Not Assigned |
| Sheet | 19 | of | 19 | Attorney Docket Number | 20174C-001140US |

| NON PATENT LITERATURE DOCUMENTS | | | | |
|---------------------------------|--------------------------|---|----------------|--|
| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² | |
| | C188 | YAZDI, NAVID et al., "Micromachined Inertial Sensors," Proceedings of IEEE, Vol. 86, No. 8, pp. 1640-1659, 8/1998 | | |
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|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.